

PA-IDC

QUERY CONTROL FORM			RTIS USE ONLY		
Application No.	09/025,345	Prepared by	DUP	Tracking Number	06026182
Examiner-GAU	Felton - 3641	Date	10/26/04	Week Date	10/18/04
		No. of queries	2	IPW (E)	

JACKET

a. Serial No.	f. Foreign Priority	k. Print Claim(s)	(p) PTO-1449
b. Applicant(s)	g. Disclaimer	l. Print Fig.	q. PTOL-85b
c. Continuing Data	h. Microfiche Appendix	m. Searched Column	r. Abstract
d. PCT	i. Title	n. PTO-270/328	s. Sheets/Figs
e. Domestic Priority	j. Claims Allowed	o. PTO-892	t. Other

SPECIFICATION

- a. Page Missing
- b. Text Continuity
- c. Holes through Data
- d. Other Missing Text
- e. Illegible Text
- f. Duplicate Text
- g. Brief Description
- h. Sequence Listing
- i. Appendix
- j. Amendments
- k. Other

CLAIMS

- a. Claim(s) Missing
- (b) Improper Dependency
- c. Duplicate Numbers
- d. Incorrect Numbering
- e. Index Disagrees
- f. Punctuation
- g. Amendments
- h. Bracketing
- i. Missing Text
- j. Duplicate Text
- k. Other

MESSAGE

(1) Improper Dependency : in the claim set dated 6/21/04, Claim 114 is dependent upon canceled Claim 86.

(2) PTO-1449 : Please initial or line through citations on forms dated 1/20/04 and 1/23/04 (4 sheets). (copies provided for reference).

Thank You,
initials DUP

RESPONSE

initials

(malachite), $2\text{Co}(\text{CO}_3) \cdot 3\text{Co}(\text{OH})_2 \cdot \text{H}_2\text{O}$, $\text{Co}_{0.69}\text{Fe}_{0.34}(\text{CO}_3)_{0.2}(\text{OH})_2$, $\text{Na}_3[\text{Co}(\text{CO}_3)_3]3\text{H}_2\text{O}$, $\text{Zn}_2(\text{CO}_3)_2(\text{OH})_2$, $\text{Bi}_2\text{Mg}(\text{CO}_3)_2(\text{OH})_4$, $\text{Fe}(\text{CO}_3)_{0.12}(\text{OH})_{2.76}$, $\text{Cu}_{1.54}\text{Zn}_{0.46}(\text{CO}_3)(\text{OH})_2$, $\text{CO}_{0.49}\text{Cu}_{0.51}(\text{CO}_3)_{0.43}(\text{OH})_{1.1}$, $\text{Ti}_3\text{Bi}_4(\text{CO}_3)_2(\text{OH})_2\text{O}_9(\text{H}_2\text{O})_2$, and $(\text{BiO})_2\text{CO}_3$.

28

112. (withdrawn) A gas generating composition as defined in claim 103, wherein the co-oxidizer is a basic metal nitrate selected from the group consisting of $\text{Cu}_2(\text{OH})_3\text{NO}_3$, $\text{Co}_2(\text{OH})_3\text{NO}_3$, $\text{CuCo}(\text{OH})_3\text{NO}_3$, $\text{Zn}_2(\text{OH})_3\text{NO}_3$, $\text{Mn}(\text{OH})_2\text{NO}_3$, $\text{Fe}_4(\text{OH})_{11}\text{NO}_3 \cdot 2\text{H}_2\text{O}$, $\text{Mo}(\text{NO}_3)_2\text{O}_2$, $\text{BiONO}_3 \cdot \text{H}_2\text{O}$, and $\text{Ce}(\text{OH})(\text{NO}_3)_3 \cdot 3\text{H}_2\text{O}$.

19

113. (withdrawn) A gas generating composition as defined in claim 85, further comprising a carbon powder present from 0.1% to 6% by weight of the gas generating composition.

29

2

114. (previously presented) A gas generating composition as defined in claim 86, wherein the complex is selected from the group consisting of metal nitrate ammines.

30

30

115. (previously presented) A gas generating composition as defined in claim 114, wherein the release agent comprises graphite, molybdenum sulfide, calcium stearate or boron nitride.

31

30

116. (amended) A solid gas generating composition formulated for generating gas suitable for use in deploying an air bag or balloon from a supplemental restraint system, the solid gas generating composition comprising consisting essentially of:

a complex of a metal cation and a neutral ligand containing hydrogen and nitrogen and sufficient oxidizing anion to balance the charge of the metal cation, wherein the complex is

Form PTO-1449 INFORMATION DISCLOSURE & CITATION IN AN APPLICATION (Use several sheets if necessary)			Docket Number (Optional) 5818.1US (21494-US-09)		Application Number 09/025,345	
			Applicant Hinshaw et al.			
			Filing Date F February 18, 1998		Group Art Unit 3641	
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,429,691	07/04/1995	Hinshaw et al.			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
	Ablov, A.V., et al., "Thermal decomposition of cobalt(III) ammines," Zhurnal Neorganicheskoi Khimii (1969), Chem. Abs. 72:85795 (SciFinder).					
	Anthavale, P.D., et al., "Catalytic activity of copper(II) ammine complexes supported on silica gel in the decomposition of hydrogen peroxide," Indian Journal of Technology (1988), Chem. Abs., 111:121746 (SciFinder).					
	Beck, M.T., et al., "Reactions of the coordinated nitrite ions of nitroamminecobalt(III) complexes," Magyar Kemiai Folyoirat (1970), Chem. Abs. 72:128235 (SciFinder).					
	Bhatta, D., et al., "Annealing of chemical radiation damage in hexammino- and nitratopentamminocobaltic nitrates," Indian Journal of Chemistry, Section A: Inorganic, Physical, Theoretical & Analytical (1982), Chem. Abs. 98:63203 (SciFinder).					
	Cotton, F. Albert, et al., Advanced Inorganic Chemistry, 5 th Ed., John Wiley & Sons, New York, 1988, p. 363.					
	Do Ngoc Hue, et al., "Spectrophotometric determination of the stability constants of ammine-nitrite-cobalt(II) complexes, with consideration of the effect of dissolved oxygen," Zhurnal Obshchei Khimii (1988), Chem. Abs. 108:157228 (SciFinder).					
	Fronczek, F. R., et al., "Reinvestigation of the crystal structure of decaammine μ -peroxodicobalt tetrathiocyanate," Acta Crystallographica, Section B: Structural Crystallography and Crystal Chemistry (1974), Chem. Abs. 80:88249 (SciFinder).					
	Hagel, R.B., et al., "The Triamines of Cobalt (III). I. Geometrical Isomers of Trinitrotriamminecobalt(III)," Inorganic Chemistry, Vol. 9, No. 6, June 1970, pp. 1496-1502.					
	Jackson, W.G., "Oxygen scrambling in pentaamminenitritocobalt(III) revisited," Inorganica Chimica Acta (1988), Chem. Abs., 109:177477 (SciFinder).					
	Kapanadze, T. Sh., et al., "Cobalt(III) sulfito mixed ligand complexes," Koordinatsionnaya Khimiya (1989), Chem. Abs., 111:89270 (SciFinder).					
	King, Henry C.A., "Solubilities and enthalpies of solution of a series of pentammine complexes," Revista Latinoamericana de Quimica (1972), Chem. Abs. 76:158971 (SciFinder).					
EXAMINER			DATE CONSIDERED			
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.						

Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <small>(Use several sheets if necessary)</small>		Docket Number (Optional) 5818.1US (21494-US-09)	Application Number 09/025,345
		Applicant Hinshaw et al.	
		Filing Date February 18, 1998	Group Art Unit 3641

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

	King, H.J.S., "Researches on Chromammines, Part II, Hydroxopentamminochromic Salts and Electrical Conductivities of Chromammines," <i>Hydroxopentamminochromic Salts, Etc.</i> , July 1925, pp. 2100-2109.
	Klyuchnikov et al., "Conversion of Mononuclear Hydrazine Complexes of Platinum and Palladium into Bionuclear Complexes," <i>Ukrainski i Khimicheski i Zhurnal</i> , Vol. 36, No. 687, 1970, pp. 687-689.
	Klyuchnikov, N.G., et al., "Preparation of Some Hydrazine Compounds of Palladium," <i>Russian Journal of Inorganic Chemistry</i> , 13 (3), 1968, pp. 416-418.
	Laing, M., "mer- and fac-[Co(NH ₃) ₅ (NO ₂) ₃]: Do They Exist?", <i>Journal of Chemical Education</i> , Vol. 62, No. 8, Aug. 1985, pp. 707-709.
	Marsh, R.E., et al., "Crystal structure of decammine- μ -peroxo-dicobalt pentanitrate," <i>Acta Crystallographica, Section B: Structural Crystallography and Crystal Chemistry</i> (1968), Chem. Abs. 68:82052 (SciFinder).
	Miskowski, V. M., et al., "Crystal structure and polarized electronic spectra of a (μ -superoxo)dicobalt(III) complex: [(NH ₃) ₅ Co ₂ O ₂](NO ₃) ₂ C ₁₃ .2H ₂ O," <i>Inorganic Chemistry</i> (1984), Chem. Abs. 100:59011 (SciFinder).
	Mrozinski, J., "Thermal analysis of cobalt(III) peroxy complexes," <i>Pol. Prace Naukowe Instytutu Chemii Nieorganicznej i Metalurgii Pierwiastkow Rzadkich Politechniki Wrocławskiej</i> (1973), Chem Abs. 80:127685 (SciFinder).
	Nomiya, K., et al., "Synthesis of cobalt(III) molybdo-heteropolyanions using carbonato-ammine cobalt(III) complexes as starting materials," <i>Polyhedron</i> (1987), Chem. Abs. 107:189450 (SciFinder).
	Pass, G., et al., <i>Practical Inorganic Chemistry, Preparations, reactions and instrumental methods</i> , 2 nd Ed., Chapter 6, <i>Coordination chemistry I: typical compounds</i> , Chapman and Hall, London, 1974, pp. 56-62.
	Patil, K.C., et al., "Synthesis and Characterisation of Metal Hydrazine Nitrate, Azide and Perchlorate Complexes," <i>Synth. React. Inorg. Met.-Org. Chem.</i> , 12(4), 1982, pp. 383-395.
	Schmitz-Dumont, V.O., et al., "Hydroxokobalt(III)-amide," <i>Z. anorg. allg. Chemie</i> , Bd. 300, 1959, pp. 175-193.

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Form PTO-1449		Docket Number (Optional) 5818.1US (21494-US-09)	Application Number 09/025,345
INFORMATION DISCLOSURE CERVATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>		Applicant Hinshaw et al.	
		Filing Date February 18, 1998	Group Art Unit 3641

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

	Shibata, M., et al., "Synthesis of Nitroammine- and Cyanoamminecobalt(III) Complexes with Potassium Tricarbonatocobaltate(III) as the Starting Material," Inorganic Chemistry, Vol. 3, No. 11, Nov. 1964, pp. 1573-1576.
	Shibata, M., "Optically active cis-unidentate-dicarbonato, cis-cis-diunidentate-carbonato, and unidentate glycinato cobalt(III) complexes," Inorganic Syntheses (1985), Chem. Abs. 104:121865 (SciFinder).
	Siebert, V.H., "Isomere des Trinitrotriamminkobalt(III)," Z. anorg. Allg. Chem. 441 (1978), pp. 47-57.
	Wieghardt, K., et al., " μ -Carboxylatodi- μ -Hydroxo-Bis[triamminecobalt(III)] Complexes," Inorganic Synthesis 23, 1985, pp. 107-116.

RECEIVED

JAN 8 2004

GROUP 3600

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



PTO/SB/08B(10-01)

Approved for use through 10/31/2002. OMB 0631-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO		<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	09/025,345
(use as many sheets as necessary)		Filing Date	February 18, 1998
		First Named Inventor	Hinshaw et al.
		Group Art Unit	3641
		Examiner Name	E. Miller
		Attorney Docket Number	2507-5818 LJS (21494-LJS-09)
Sheet	1	of	1

Examiner Signature		Date Considered	
-------------------------------	--	----------------------------	--

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.